FIIG T232
Reprint Date: May 7, 2010

# FEDERAL ITEM IDENTIFICATION GUIDE

## MISCELLANEOUS CONSTRUCTION MATERIALS

This Reprint replaces FIIG T232, dated October 5, 2001.


Commander

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PUBLISHED BY DEFENSE LOGISTICS INFORMATION SERVICE, BATTLE CREEK, MI

This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

# Contents

# GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

| MRC | Mode Code | Requirement | Example |
|---|---|---|---|
| CLQL | G | COLLOQUIAL NAME (common usage name by which an item is known) | CLQLGWOVEN WIRE CLOTH* |

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

## MRC Index

## INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

| Approved Item Name | INC | App Key |
|---|---|---|
| CORE MATERIAL, CELLULAR, STRUCTURAL | 20324 | FA |

A light durable material having a cellular core of uniform geometric shapes. It is primarily used for but not limited to, aircraft structure, such as fuselages, control surfaces, compartments, radomes, and the like. For items with a metallic or nonmetallic facing see PANEL, STRUCTURAL, AIRCRAFT.

| | | |
|---|---|---|
| COVER, MANHOLE | 11479 | DA |

A metallic item for mounting upon a FRAME, MANHOLE and completely closing the opening.

| | | |
|---|---|---|
| FRAME, MANHOLE | 12956 | DB |

A metallic item which mounts upon or in a manhole and will accommodate a COVER, MANHOLE.

| | | |
|---|---|---|
| SHOE, WOOD PILE | 05659 | BA |

A tapered metal device, usually square pyramidal or round conical shape, which is designed for use on the foot of a wood pile to facilitate penetration of the pile in hard ground and to prevent the pile end from mushrooming.

| | | |
|---|---|---|
| STEEL BAR, REINFORCING | 11056 | CA |
| WEATHER STRIP | 14972 | EA |

A strip of material, or combination of materials used to cover or seal the joint of a door, window with sill, casing, or threshold to prevent the entrance of dust, rain, or drafts. Excludes NONMETALLIC ANGLE; NONMETALLIC CHANNEL; and NONMETALLIC SPECIAL SHAPED SECTION.

# APPLICABILITY KEY INDEX

| | BA |
|---|---|
| NAME | X |
| MATL | X |
| STYL | X |
| ARJZ | AR |
| ARKA | AR |
| ASZB | AR |
| AYLL | AR |
| AYLP | AR |
| AZQP | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| ZZZP | AR |
| AGAV | AR |
| ZZZV | AR |
| CXCY | AR |

| | CA |
|---|---|
| NAME | X |
| ARJD | X |
| AZQQ | X |
| AZQR | AR |
| STYL | X |
| ABGL | AR |
| ABMZ | AR |
| ABNM | AR |
| ABRY | AR |
| AZQS | X |
| AZQK | X |
| ARSD | AR |
| AGXZ | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| ZZZP | AR |
| AGAV | AR |
| ZZZV | AR |
| CXCY | AR |

| | DA | DB |
|---|---|---|
| NAME | X | X |
| MATL | X | X |
| SURF | AR | AR |
| AZQK | X | X |
| SHPE | X | X |
| ABHP | AR | AR |
| ABMK | AR | AR |
| ADAV | AR | AR |
| ABKW | AR | AR |
| ABRY | AR | AR |
| ABGL | AR | AR |
| ABMZ | AR | AR |
| AEJZ | AR | AR |
| AZQT | AR | |
| MARK | AR | |
| AZQW | AR | |
| FEAT | AR | AR |
| TEST | AR | AR |
| SPCL | AR | AR |
| ZZZK | AR | AR |
| ZZZT | AR | AR |
| ZZZW | AR | AR |
| ZZZX | AR | AR |
| ZZZY | AR | AR |
| CRTL | AR | AR |
| PRPY | AR | AR |
| ELRN | AR | AR |
| ELCD | AR | AR |
| AFJK | AR | AR |
| AWJN | AR | AR |
| SUPP | AR | AR |
| ZZZP | AR | AR |
| AGAV | AR | AR |
| ZZZV | AR | AR |
| CXCY | AR | AR |

| | EA |
|---|---|
| NAME | X |
| MATL | X |
| STYL | X |
| ALBY | X |
| AGXW | X |
| ABRY | X |
| ABMK | X |
| AZQX | X |
| AZQY | AR |
| AZQZ | AR |
| AZRA | AR |
| ADUM | AR |
| AZRB | AR |
| AZRC | AR |
| AZRD | AR |
| AHCX | X |
| ARSD | AR |
| AGXZ | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| ZZZP | AR |
| AGAV | AR |
| ZZZV | AR |
| CXCY | AR |

| | FA |
|---|---|
| NAME | X |
| AMSP | X |
| AZRE | X |
| AJRN | AR |
| AZRG | AR |
| AZRH | AR |
| ADYY | X |
| AJAM | AR |
| AZRJ | X |
| AZRX | X |
| AZRQ | X |
| AZRR | X |
| AZRS | X |
| AZRT | X |
| BBHF | X |
| BBHG | X |
| BBHH | X |
| BBHJ | X |
| AGUC | X |
| AGXZ | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| ZZZP | AR |
| AGAV | AR |
| ZZZV | AR |
| CXCY | AR |

## Body

**SECTION: B**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |
| | Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN. | | |
| | Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED05659*) | | |
| ALL | | | |
| | MATL | D | MATERIAL |
| | Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT. | | |
| | Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDST0000$$DSTB000*; MATLDST0000$DSTB000*) | | |
| ALL | | | |
| | STYL | L | STYLE DESIGNATOR |
| | Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM. | | |
| | Reply Instructions: Enter the group designator and applicable style number from Appendix B , Reference Drawing Group A. (e.g., STYLLA2*) | | |

**SECTION: C**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED11056*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | ARJD | D | DESIGN FORM |

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARJDDAAL*; ARJDDAAL$DAAM*)

| REPLY CODE | REPLY (AL52) |
|---|---|
| AAL | DEFORMED |
| AAM | PLAIN |

| | | | |
|---|---|---|---|
| ALL | | | |
| | AZQQ | D | TWISTED FEATURE |

Definition: AN INDICATION OF WHETHER OR NOT A TWISTED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZQQDB*; AZQQDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRC AZQR: IF REPLY CODE B IS ENTERED FOR MRC AZQQ, REPLY TO MRC AZQR.

ALL* (See Note Above)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | AZQR | D | TWISTING METHOD |

Definition: THE MEANS USED TO TWIST THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZQRDAE*; AZQRDAE$DAF*)

| REPLY CODE | REPLY (AF75) |
|---|---|
| AE | COLD |
| AF | HOT |

ALL

| | | | |
|---|---|---|---|
| | STYL | L | STYLE DESIGNATOR |

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the group designator and applicable style number from Appendix B , Reference Drawing Group B. (e.g., STYLLB6*)

ALL

| | | | |
|---|---|---|---|
| | AZQS | D | STEEL DESIGNATION |

Definition: THE TERM BY WHICH THE STEEL IS KNOWN OR DESIGNATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZQSDAE*; AZQSDAE$$DAG*; AZQSDAE$DAJ*)

| REPLY CODE | REPLY (AM70) |
|---|---|
| AB | HARD BILLET |
| AC | HARD CAR AXLE |
| AD | HARD RAIL |
| AE | HIGH STRENGTH BILLET |
| AF | INTERMEDIATE BILLET |
| AG | INTERMEDIATE CAR AXLE |
| AH | REGULAR GRADE RAIL |
| AJ | SPECIAL GRADE RAIL |
| AK | STRUCTURAL BILLET |
| AL | STRUCTURAL CAR AXLE |

ALL

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | AZQK | J | WEIGHT |

Definition: A RELATIVE MEASUREMENT OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZQKJCZA5.313*; AZQKJCTA7.4*; AZQKJCZB5.250$$JCZC5.500*)

Table 1

| REPLY CODE | REPLY (AG67) |
|---|---|
| CT | KILOGRAMS PER METER |
| CZ | POUNDS PER FOOT |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

| | | |
|---|---|---|
| ARSD | G | CONTENT WITHIN EACH UNIT PACKAGE |

Definition: THE AMOUNT OF THE ITEM CONTAINED WITHIN EACH UNIT PACKAGE.

Reply Instructions: Enter the reply in clear text. (e.g., ARSDG3000 LB MAX LIFT WT*)

NOTE FOR MRC AGXZ: IF A REPLY IS ENTERED FOR MRC ARSD, REPLY TO MRC AGXZ.

ALL* (See Note Above)

| | | |
|---|---|---|
| AGXZ | D | UNIT PACKAGE TYPE |

Definition: INDICATES THE TYPE OF CONTAINER IN WHICH THE ITEM OF SUPPLY IS PACKAGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXZDAB*; AGXZDAB$DMR*)

| REPLY CODE | REPLY (AE96) |
|---|---|

FIIG T
Section Parts

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | AB | BOX |
| | | GL | BUNDLE |
| | | MR | CRATE |

**SECTION: D**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED11479*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | MATL | D | MATERIAL |

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDST0000$$DSTB000*; MATLDST0000$DSTB000*)

| | | | |
|---|---|---|---|
| ALL* | | | |
| | SURF | D | SURFACE TREATMENT |

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SURFDPNB000*)

| REPLY CODE | REPLY (AD09) |
|---|---|
| A | ANY ACCEPTABLE |
| EN0019 | ENAMEL, TT-E-529 |
| PNB000 | PAINT, ASPHALT |

| | | | |
|---|---|---|---|
| ALL | | | |
| | AZQK | J | WEIGHT |

Definition: A RELATIVE MEASUREMENT OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZQKJASA112.000*; AZQKJAJA45.3*; AZQKJASB110.000$$JASC113.000*)

Table 1

| REPLY CODE | REPLY (AG67) |
|---|---|
| AJ | KILOGRAMS |
| AS | POUNDS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

SHPE D SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDRD*; SHPEDBT$DRD*)

| REPLY CODE | REPLY (AD07) |
|---|---|
| Z | ANY ACCEPTABLE |
| BT | OVAL |
| RT | RECTANGULAR |
| RD | ROUND |

NOTE FOR MRCS ABHP, ABMK, ADAV, AND ABKW: IF REPLY CODE RD IS ENTERED FOR MRC SHPE, REPLY TO MRCS ADAV AND ABKW. IF REPLY CODE BT OR RT IS ENTERED FOR MRC SHPE, REPLY TO MRCS ABHP, ABMK, AND ABKW.

ALL* (See Note Above)

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA40.000*; ABHPJLA1016.2*; ABHPJAB39.500$$JAC40.500*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ABHP)

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA31.000*; ABMKJLA762.2*; ABMKJAB30.500$$JAC31.500*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ABHP)

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA36.000*; ADAVJLA889.2*; ADAVJAB35.500$$JAC36.500*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ABHP)

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA9.000*; ABKWJLA228.6*; ABKWJAB8.875$$JAC9.125*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

NOTE FOR MRCS ABRY, ABGL, AND AEJZ: WHEN THE SOURCE DOCUMENT INDICATES OTHER THAN A ROUND ITEM, REPLY TO MRCS ABRY, ABGL, AND AEJZ.

ALL* (See Note Above)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | ABRY | J | LENGTH |

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA42.000*; ABRYJLA1066.8*; ABRYJAB41.875$$JAC42.125*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ABRY)

| | | | |
|---|---|---|---|
| | ABGL | J | WIDTH |

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA24.000*; ABGLJLA533.4*; ABGLJAB23.875$$JAC24.125*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

NOTE FOR MRCS ABMZ AND AEJZ: WHEN THE SOURCE DOCUMENT INDICATES A ROUND ITEM, REPLY TO MRCS ABMZ AND AEJZ.

ALL* (See Note Above)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA36.000*; ABMZJLA914.4*; ABMZJAB35.875$$JAC36.125*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRCs ABRY and ABMZ)

AEJZ J DEPTH

Definition: A LINEAR MEASUREMENT FROM THE SURFACE TO A SPECIFIED INNER POINT ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJZJAA1.750*; AEJZJLA44.4*; AEJZJAB1.500$$JAC1.875*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | A | NOMINAL |
| | | B | MINIMUM |
| | | C | MAXIMUM |

DA*

AZQT G HANDLING PROVISION

Definition: THE HANDLING FACILITY(IES) OR ATTACHMENT(S) PROVIDED ON THE ITEM FOR LIFTING OR REMOVAL.

Reply Instructions: Enter the reply in clear text. (e.g., AZQTGHOOK HOLE USED FOR REMOVAL*)

DA*

MARK G SPECIAL MARKINGS

Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.

Reply Instructions: Enter the reply in clear text. (e.g.,

MARKGSIGNAL CORPS, MC-85, USA*)

NOTE FOR MRC AZQW: IF A REPLY IS ENTERED FOR MRC MARK, REPLY TO MRC AZQW.

DA* (See Note Above)

AZQW D SPECIAL MARKING LOCATION

Definition: INDICATES THE LOCATION ON THE ITEM WHERE SPECIAL MARKINGS ARE FOUND.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZQWDAZJ*; AZQWDAZJ$DAZK*)

| REPLY CODE | REPLY (AJ91) |
|---|---|
| AZJ | COVER TOP |
| AZK | COVER TOP CENTER |

**SECTION: E**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED14972*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | MATL | D | MATERIAL |

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDDRF000*; MATLDFT0000$$DDRF0000*; MATLDDRF000$DPC0000*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | STYL | L | STYLE DESIGNATOR |

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the group designator and applicable style number from Appendix B , Reference Drawing Group C. (e.g., STYLLC2*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | ALBY | D | USAGE DESIGN |

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAHM*; ALBYDAHM$DAHN*)

| REPLY CODE | REPLY (AH21) |
|---|---|
| AHM | DOOR |
| AHN | WINDOW |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

ALL

AGXW D PHYSICAL FORM

Definition: THE RECOGNIZED SHAPE, CONFIGURATION, STRUCTURE, OR MOLD OF A SUBSTANCE, NATURAL OR REFINED, THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXWDAT*; AGXWDMD$DNS*)

| REPLY CODE | REPLY (AE98) |
|---|---|
| MD | COIL |
| NS | PREDETERMINED LENGTH |
| AT | ROLL |

ALL

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJFA12.500*; ABRYJMA3.8*; ABRYJFB11.500$$JFC12.000*)

For items indicating feet and inches, see Appendix C, Table 3, for conversion.

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| A | INCHES |
| M | METERS |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | ABMK | J | OVERALL WIDTH |

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA0.750*; ABMKJLA19.1*; ABMKJAB0.500$$JAC0.875*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

| | | | |
|---|---|---|---|
| | AZQX | D | TEXTILE WOVEN FEATURE |

Definition: AN INDICATION OF WHETHER OR NOT A TEXTILE WOVEN FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZQXDB*; AZQXDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRCS AZQY, AZQZ, AZRA, ADUM, AZRB, AZRC, AND AZRD: IF REPLY CODE B IS ENTERED FOR MRC AZQX, REPLY TO MRCS LISTED ABOVE.

ALL* (See Note Above)

| | | | |
|---|---|---|---|
| | AZQY | A | PILE ROW QUANTITY |

Definition: THE NUMBER OF PILE ROWS INCLUDED.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the quantity. (e.g., AZQYA1*)

ALL* (See Note Preceding MRC AZQY)

AZQZ A SPACE QUANTITY

Definition: THE NUMBER OF SPACES INCLUDED.

Reply Instructions: Enter the quantity. (e.g., AZQZA2*)

ALL* (See Note Preceding MRC AZQY)

AZRA J PILE TO FABRIC OUTER EDGE DISTANCE

Definition: THE DISTANCE BETWEEN THE PILE AND THE OUTER EDGE OF THE FABRIC.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZRAJAA0.125*; AZRAJLA3.1*; AZRAJAB0.125$$JAC0.141*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC AZQY)

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the thickness of the pile and fabric combined. (e.g., ADUMJAA0.125*; ADUMJLA3.1*; ADUMJAB0.109$$JAC0.141*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC AZQY)

AZRB J OUTER PILE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE OUTER PILE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZRBJAA0.563*; AZRBJLA15.8*; AZRBJAB0.400$$JAC0.625*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC AZQY)

AZRC J CENTER PILE TO OUTER PILE DISTANCE

Definition: THE DISTANCE FROM THE CENTER PILE TO THE OUTER PILE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZRCJAA0.125*; AZRCJLA3.1*; AZRCJAB0.109$$JAC0.141*)

Table 1

| REPLY CODE | REPLY(AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC AZQY)

AZRD J CENTER PILE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE CENTER PILE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZRDJAA0.250*; AZRDJLA6.3*; AZRDJAB0.234$$JAC0.266*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

AHCX D ADHESIVE BACKING

Definition: AN INDICATION OF WHETHER OR NOT AN ADHESIVE BACKING IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHCXDB*; AHCXDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

ALL*

ARSD G CONTENT WITHIN EACH UNIT PACKAGE

Definition: THE AMOUNT OF THE ITEM CONTAINED WITHIN EACH UNIT PACKAGE.

Reply Instructions: Enter the reply in clear text. (e.g., ARSDGSIX 100 FT COILS*)

NOTE FOR MRC AGXZ: IF A REPLY IS ENTERED FOR MRC ARSD, REPLY TO MRC AGXZ.

ALL* (See Note Above)

AGXZ D UNIT PACKAGE TYPE

Definition: INDICATES THE TYPE OF CONTAINER IN WHICH THE ITEM OF SUPPLY IS PACKAGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXZDAB*; AGXZDAB$DAJ*)

| REPLY CODE | REPLY (AE96) |
|---|---|
| AB | BOX |
| AJ | CARTON |
| AK | CASE |

**SECTION: F**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED20324*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | AMSP | D | BASIC MATERIAL |

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE BASIC MATERIAL IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AMSPDST0000*; AMSPDST0000$$DSTB000*; AMSPDST0000$DSTB000*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | AZRE | D | CELL CONDITION |

Definition: AN INDICATION OF THE STRUCTURE OF THE CELLS MAKING UP THE CELLULAR CORE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZREDAE*; AZREDAE$DEY*)

| REPLY CODE | REPLY (AA62) |
|---|---|
| AE | EXPANDED (full size cells which are not distorted) |
| EY | OVEREXPANDED (rectangular shaped cells having distorted sides with unequal measurements across flats) |
| EZ | UNEXPANDED (cells resemble a collapsed condition with no developed cell dim.) |

| | | | |
|---|---|---|---|
| ALL* | | | |
| | AJRN | D | FACE MATERIAL |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE FACE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AJRNDST0000*; AJRNDST0000$$DSTB000*; AJRNDST0000$DSTB000*)

ALL*

AZRG J FACE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE FACE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZRGJAA0.026*; AZRGJLA0.7*; AZRGJAB0.026$$JAC0.125*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

AZRH D LAMINATION FEATURE

Definition: AN INDICATION OF THE LAMINATION FEATURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZRHDP*; AZRHDP$DM*)

| REPLY CODE | REPLY (AM71) |
|---|---|
| P | LAMINATED |
| M | NOT LAMINATED |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

ALL

ADYY D COATING MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE WITH WHICH THE ITEM IS COATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ADYYDPC0000*; ADYYDPC0000$$DRC0000*; ADYYDPC0000$DRC0000*)

NOTE FOR MRC AJAM: IF OTHER THAN REPLY CODE A IS ENTERED FOR MRC ADYY, REPLY TO MRC AJAM.

ALL* (See Note Above)

AJAM D SERVICE CHARACTERISTICS

Definition: THOSE PROTECTIVE OR RESISTIVE QUALITIES THAT ARE INDICATIVE OF THE INTENDED SERVICE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJAMDAP*; AJAMDAP$$DAQ*; AJAMDAP$DAQ*)

| REPLY CODE | REPLY (AF60) |
|---|---|
| AP | HEAT RESISTANT |
| AQ | WATER REPELLENT |

ALL

AZRJ G CELL SIZE

Definition: DESIGNATES THE SIZE OF THE RELATIVE OR PROPORTIONATE DIMENSIONS OF THE CELL.

Reply Instructions: When the source document indicates full or expanded cells, enter a single cell dimension in clear text. (e.g., AZRJG3/16 IN.*)

When the source document indicates over expanded cells, enter the transverse direction dimension first, followed by the ribbon direction dimension in clear text. (e.g., ARZJG1/8 IN. BY 3/8 IN.*)

ALL

AZRX J CELL DEPTH

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON A CELL, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding faces. (e.g., AZRXJAA0.330*; AZRXJLA7.9*; AZRXJAB0.325$$JAC0.344*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

AZRQ D CELL PERFORATION

Definition: AN INDICATION OF WHETHER OR NOT A CELL PERFORATION FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZRQDB*; AZRQDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL

AZRR J NOMINAL DENSITY RATING

Definition: A MEASUREMENT OF THE AVERAGE DENSITY PER UNIT VOLUME.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g, AZRRJDA4.0*; AZRRJDB64.0*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AZRRKN*)

| REPLY CODE | REPLY (AG67) |
|---|---|
| DB | KILOGRAMS PER CUBIC METER |
| DA | POUNDS PER CUBIC FOOT |

ALL

AZRS J MAXIMUM DENSITY RATING

Definition: A MEASUREMENT OF THE MAXIMUM DENSITY PER UNIT VOLUME.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZRSJDA4.5*; AZRSJDB72.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AZRSKN*)

| REPLY CODE | REPLY (AG67) |
|---|---|
| DB | KILOGRAMS PER CUBIC METER |
| DA | POUNDS PER CUBIC FOOT |

ALL

AZRT J MAXIMUM SERVICE TEMP LIMIT

Definition: THE MAXIMUM VALUE WHICH EXPRESSES THE DEGREE OF HEAT OR COLD AS APPLIED TO THE SERVICE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZRTJAAE325.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AZRTKN*)

| REPLY CODE | REPLY (AJ40) |
|---|---|
| AAD | DEG CELSIUS |
| AAE | DEG FAHRENHEIT |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | BBHF | G | RIBBON DIRECTION DIMENSION |
| | Definition: THE DIMENSION MEASURED PARALLEL TO THE DIRECTION IN WHICH THE CONTINUOUS STRIP OF WEB IS LAID. | | |
| | Reply Instructions: Enter the reply in clear text. (e.g., BBHFG14.000 IN.*) | | |
| ALL | | | |
| | BBHG | G | DESIGNED RIBBON DIRECTION DIMENSION |
| | Definition: THE SIZE WHICH IS ATTAINED AFTER THE CORE MATERIAL IS EXPANDED TO THE FULL CELL SIZE. | | |
| | Reply Instructions: Enter the reply in clear text. (e.g., BBHGG18.000 IN.*) | | |
| ALL | | | |
| | BBHH | G | TRANSVERSE DIRECTION DIMENSION |
| | Definition: THE DIMENSION MEASURED PARALLEL TO THE DIRECTION IN WHICH THE CORE MATERIAL IS PULLED BY EXPANSION. | | |
| | Reply Instructions: Enter the reply in clear text. (e.g., BBHHG96.000 IN.*) | | |
| ALL | | | |
| | BBHJ | G | DESIGNED TRANSVERSE DIRECTION DIMENSION |
| | Definition: THE SIZE WHICH IS ATTAINED AFTER THE CORE MATERIAL IS EXPANDED TO THE FULL CELL SIZE, BUT NOT OVEREXPANDED. | | |
| | Reply Instructions: Enter the reply in clear text. (e.g., BBHJG96.000 IN.*) | | |
| ALL | | | |
| | AGUC | A | UNIT PACKAGE QUANTITY |
| | Definition: THE NUMBER OF ITEMS CONTAINED IN THE UNIT PACKAGE. | | |
| | Reply Instructions: Enter the number of sheets. (e.g., AGUCA10*; AGUCA6$A10*) | | |
| ALL* | | | |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | AGXZ | D | UNIT PACKAGE TYPE |

Definition: INDICATES THE TYPE OF CONTAINER IN WHICH THE ITEM OF SUPPLY IS PACKAGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXZDAB*; AGXZDAB$DAJ*)

| REPLY CODE | REPLY (AE96) |
|---|---|
| A | ANY ACCEPTABLE |
| AB | BOX |
| AJ | CARTON |
| AK | CASE |

**SECTION: STANDARD**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL * | | | |
| | FEAT | G | SPECIAL FEATURES |

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

| | | | |
|---|---|---|---|
| ALL * | | | |
| | TEST | J | TEST DATA DOCUMENT |

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

| REPLY CODE | REPLY (AC28) |
|---|---|
| C | DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing) |
| A | SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | | reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) |
| | | B | STANDARD (Includes industry or association standards, individual manufacturer standards, etc.) |

ALL *

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL *

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

| REPLY CODE | REPLY (AN62) |
|---|---|
| S | GOVERNMENT SPECIFICATION |
| T | GOVERNMENT STANDARD |
| D | MANUFACTURERS SOURCE CONTROL |
| R | MANUFACTURERS SPECIFICATION |
| N | MANUFACTURERS SPECIFICATION CONTROL |
| M | MANUFACTURERS STANDARD |
| A | PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION |
| P | PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD |

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL *

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL * | | | |
| | ZZZX | G | DEPARTURE FROM CITED DESIGNATOR |
| | | | Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS. |
| | | | Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*) |
| ALL * | | | |
| | ZZZY | G | REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS |
| | | | Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS. |
| | | | Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*) |
| ALL * | | | |
| | CRTL | A | CRITICALITY CODE JUSTIFICATION |
| | | | Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM. |
| | | | Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*) |
| | | | Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical. |
| NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY. | | | |
| ALL * (See Note Above) | | | |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | PRPY | A | PROPRIETARY CHARACTERISTICS |

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL *

| | | | |
|---|---|---|---|
| | ELRN | G | EXTRA LONG REFERENCE NUMBER |

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code. (e.g., ELRNGANN112036BIL060557LEN0313605UZ062365*)

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL *

| | | | |
|---|---|---|---|
| | ELCD | D | EXTRA LONG CHARACTERISTIC DESCRIPTION |

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

| REPLY CODE | REPLY (AN58) |
|---|---|
| A | ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD |

**SECTION: SUPPTECH**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | AFJK | J | CUBIC MEASURE |

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULITPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJF1.0219*; AFJKJE0.1*)

| REPLY CODE | REPLY (AD42) |
|---|---|
| F | CUBIC FEET |
| E | CUBIC METERS |

ALL

| | | |
|---|---|---|
| AWJN | J | UNPACKAGED UNIT WEIGHT |

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWJNJAS0.575*; AWJNJAJ0.2*)

See Appendix C, Table 2, for converting ounces to decimal equivalents of a pound.

| REPLY CODE | REPLY (AG67) |
|---|---|
| AJ | KILOGRAMS |
| AS | POUNDS |

ALL

| | | |
|---|---|---|
| SUPP | G | SUPPLEMENTARY FEATURES |

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | | Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*) |
| ALL | | | |
| | ZZZP | J | PURCHASE DESCRIPTION IDENTIFICATION |
| | | | Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY. |
| | | | Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document. |
| | | | (e.g., ZZZPJ81337-30624A8) |
| ALL | | | |
| | AGAV | G | END ITEM IDENTIFICATION |
| | | | Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART. |
| | | | Reply Instructions: Enter the applicable reply in clear text. |
| | | | (e.g., AGAVG3930-00-000-0000*; |
| | | | AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*) |
| ALL | | | |
| | ZZZV | G | FSC APPLICATION DATA |
| | | | Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY. |
| | | | Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGBEARINGS,ANTIFRICTION,UNMOUNTED*) |
| ALL | | | |
| | CXCY | G | PART NAME ASSIGNED BY CONTROLLING AGENCY |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | | Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.<br><br>Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*) |

## Reply Tables

Table 1 - MATERIALS

MATERIALS

| REPLY CODE | REPLY (AD09) |
|---|---|
| ALC000 | ALUMINUM |
| AL0000 | ALUMINUM ALLOY |
| AL2075 | ALUMINUM ALLOY, MIL-C-7438 |
| | Aluminum Alloy, MIL-C-7438, 5052, H39 (use Reply Code AL2075) |
| AL0052 | ALUMINUM ALLOY, QQ-A-250/2, ALLOY 3003 |
| | Aluminum Alloy, QQ-A-250/2, Alloy 3003, H18 (use Reply Code AL0052) |
| | Aluminum Alloy, QQ-A-250/2, H18 (use Reply Code AL0052) |
| | Aluminum Alloy, QQ-A-250/2, H28 (use Reply Code AL0052) |
| | Aluminum Alloy, QQ-A-250/2, H39 (use Reply Code AL0052) |
| AL0056 | ALUMINUM ALLOY, QQ-A-250/8, ALLOY 5052-CANCELLED |
| | Aluminum Alloy, QQ-A-250/8, Alloy 5052, H34 (use Reply Code AL0056) |
| | Aluminum Alloy, QQ-A-250/8, Alloy 5052, H38 (use Reply Code AL0056) |
| | Aluminum Alloy, QQ-A-250/8, H34 (use Reply Code AL0056) |
| | Aluminum Alloy, QQ-A-250/8, H38 (use Reply Code AL0056) |
| | Aluminum Alloy, QQ-A-250/8 (use Reply Code AL0056) |
| | Aluminum Alloy, QQ-A-318, H39 (use Reply Code AL1546) |
| AL1546 | ALUMINUM ALLOY, QQ-A-318, 5052-CANCELLED |
| AL2137 | ALUMINUM ALLOY, QQ-A-359, ALLOY 3003-CANCELLED |
| AL1711 | ALUMINUM ALLOY, QQ-A-359, 3003, H18-CANCELLED |
| AL0106 | ALUMINUM ALLOY, 5056 |
| A | ANY ACCEPTABLE |
| | Artificial Leather Cover (use Reply Code LRA000) |
| BN0000 | BRONZE |
| DF0000 | CLOTH |
| DFX000 | CLOTH, ACRYLIC |
| DFAX00 | CLOTH, GLASS FIBER |
| DFCCJ0 | CLOTH, LATEX COATED |
| DFD000 | CLOTH, POLYESTER FIBER (Dacron) |
| DFCCK0 | CLOTH W/ALUMINUM STITCHING |
| DFCCH0 | CLOTH W/MOHAIR PILE |
| CU0000 | COPPER |
| CC0000 | COTTON |
| CCH000 | COTTON DUCK |
| FT0000 | FELT |
| FGN000 | FIBERGLASS CLOTH, SYNTHETIC RUBBER IMPREGNATED |
| GSAN00 | GLASS CLOTH, RESIN IMPREGNATED |
| GSG000 | GLASS FABRIC |
| GSAE00 | GLASS FABRIC, LAMINATED |
| GS0180 | GLASS FABRIC, MIL-C-8073, TYPE 1-C, CLASS 2 |
| GSAW00 | GLASS FABRIC, PLASTIC DIPPED |
| GS0185 | GLASS, OPTICAL, JAN-G-174, GRADE A |
| FE0000 | IRON |
| | Iron, Cast (use Reply Code FE0000) |

| REPLY CODE | REPLY (AD09) |
|---|---|
| LRA000 | LEATHER, ARTIFICIAL |
| DFR000 | METAL CLOTH |
| | Metal (use specific material) |
| DFAAH0 | MOHAIR |
| FCC000 | MOHAIR PILE |
| NFJ000 | NICKEL-CHROMIUM-IRON ALLOY |
| DFF000 | NYLON |
| PFK000 | PAPER, KRAFT |
| PC0000 | PLASTIC |
| PCAK00 | PLASTIC, POLYVINYL CHLORIDE |
| PCFFY0 | PLASTIC, URETHANE FOAM |
| | Polyamide Nylon, Phenolic (use Reply Code PC0000) |
| RC0000 | RUBBER |
| RCH000 | RUBBER, CHLOROPRENE |
| RCAAAD | RUBBER CORE, SPONGE, W/DACRON JACKET |
| RCAAAE | RUBBER CORE, SPONGE, W/ORLON JACKET |
| RCC000 | RUBBER, SYNTHETIC |
| | Rubber, Synthetic, Sponge Core (use Reply Code RCC000) |
| | Rubber Tube, Synthetic (use Reply Code RCC000) |
| SL0000 | SILICONE RUBBER |
| | Spring Bronze (use Reply Code BN0000) |
| ST0000 | STEEL |
| STB000 | STEEL, CORROSION RESISTING |
| ST1617 | STEEL, FED STD 66, AISI 304/SAE 30304 |
| | Steel, Galvanized (use Reply Code ST0000) |
| ST3124 | STEEL, QQ-S-698, COMP 1009 THRU 1020 |
| ST2626 | STEEL, QQ-S-766, CLASS 304, COND A |
| | Steel, Stainless (use Reply Code STB000) |
| WB0000 | WEBBING, COTTON |
| | Wire, Aluminum Alloy (use Reply Code AL0000) |
| | Wire, Aluminum (use Reply Code AL0000) |
| | Wire, Copper (use Reply Code CU0000) |
| | Wire (use specific material) |
| WD0000 | WOOD |
| WLF000 | WOOL PILE |

Table 2 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

| REPLY CODE | REPLY (AD08) |
|---|---|
| AL | ALLOY |
| AN | ANNEX |
| AP | APPENDIX |
| AC | APPLICABILITY CLASS |
| AR | ARRANGEMENT |
| AS | ASSEMBLY |
| AB | ASSORTMENT |

| REPLY CODE | REPLY (AD08) |
|---|---|
| BX | BOX |
| CY | CAPACITY |
| CA | CASE |
| CT | CATEGORY |
| CL | CLASS |
| CE | CODE |
| CR | COLOR |
| CC | COMBINATION CODE |
| CN | COMPONENT |
| CP | COMPOSITION |
| CM | COMPOUND |
| CD | CONDITION |
| CS | CONSTRUCTION |
| DE | DESIGN |
| DG | DESIGNATOR |
| DW | DRAWING NUMBER |
| EG | EDGE |
| EN | END |
| FY | FAMILY |
| FG | FIGURE |
| FN | FINISH |
| FM | FORM |
| FA | FORMULA |
| GR | GRADE |
| GP | GROUP |
| NS | INSERT |
| TM | ITEM |
| KD | KIND |
| KT | KIT |
| LG | LENGTH |
| LT | LIMIT |
| MK | MARK |
| ML | MATERIAL |
| MH | MESH |
| ME | METHOD |
| MD | MODEL |
| MT | MOUNTING |
| NR | NUMBER |
| PT | PART |
| PN | PATTERN |
| PC | PHYSICAL CONDITION |
| PS | PIECE |
| PL | PLAN |
| PR | POINT |
| QA | QUALITY |
| RN | RANGE |
| RT | RATING |
| RF | REFERENCE NUMBER |

| REPLY CODE | REPLY (AD08) |
|---|---|
| SC | SCHEDULE |
| SB | SECTION |
| SL | SELECTION |
| SE | SERIES |
| SV | SERVICE |
| SX | SET |
| SA | SHADE |
| SH | SHAPE |
| SG | SHEET |
| SZ | SIZE |
| PZ | SPECIES |
| SQ | SPECIFICATION SHEET |
| SD | SPEED |
| ST | STYLE |
| SS | SUBCLASS |
| SF | SUBFORM |
| SP | SUBTYPE |
| SN | SURFACE CONDITION |
| SY | SYMBOL |
| SM | SYSTEM |
| TB | TABLE |
| TN | TANNAGE |
| TP | TEMPER |
| TX | TEXTURE |
| TK | THICKNESS |
| TT | TREATMENT |
| TR | TRIM |
| TY | TYPE |
| YN | UNIT |
| VA | VARIETY |
| WT | WEIGHT |
| WD | WIDTH |

## Reference Drawing Groups

REFERENCE DRAWING GROUP A Tables
WOOD PILE SHOES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ARJZJAA1.750*; ARJZJLA44.4*; ARJZJAB1.625$$JAC1.750*)

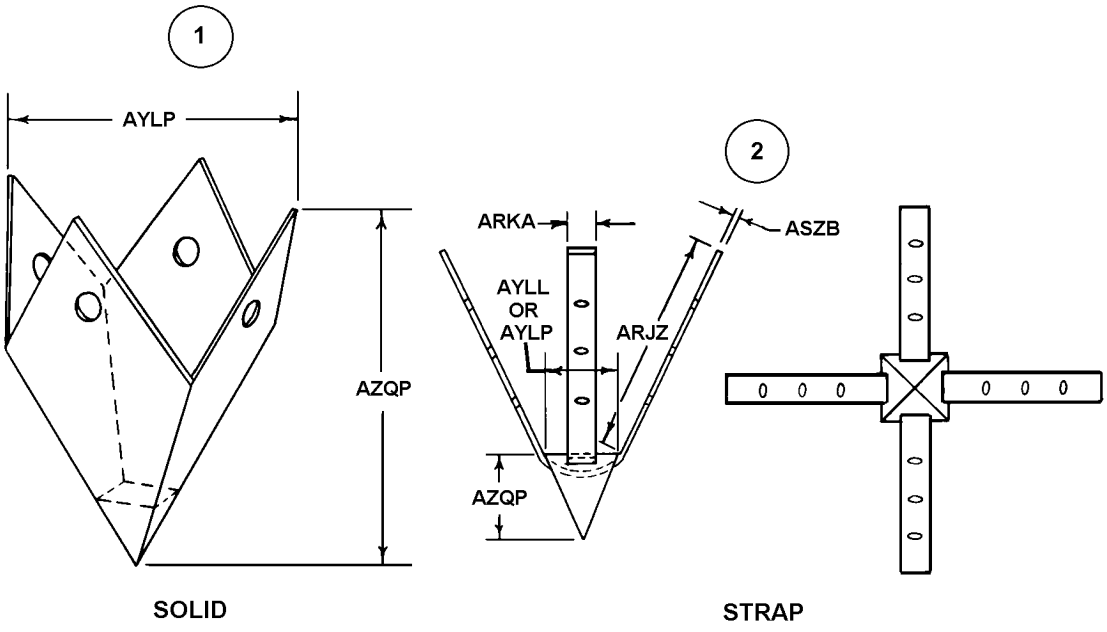
| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| MRC | Mode Code | Name of Dimension |
|---|---|---|
| ARJZ | J | STRAP LENGTH |
| ARKA | J | STRAP WIDTH |
| ASZB | J | STRAP THICKNESS |
| AYLL | J | SHOE DIAMETER |
| AYLP | J | SHOE WIDTH |
| AZQP | J | SHOE LENGTH |

REFERENCE DRAWING GROUP A

WOOD PILE SHOES



REFERENCE DRAWING GROUP B Tables
STEEL REINFORCING BAR STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA1.125*; ABGLJLA28.5*; ABGLJAB1.125$$JAC1.175*)

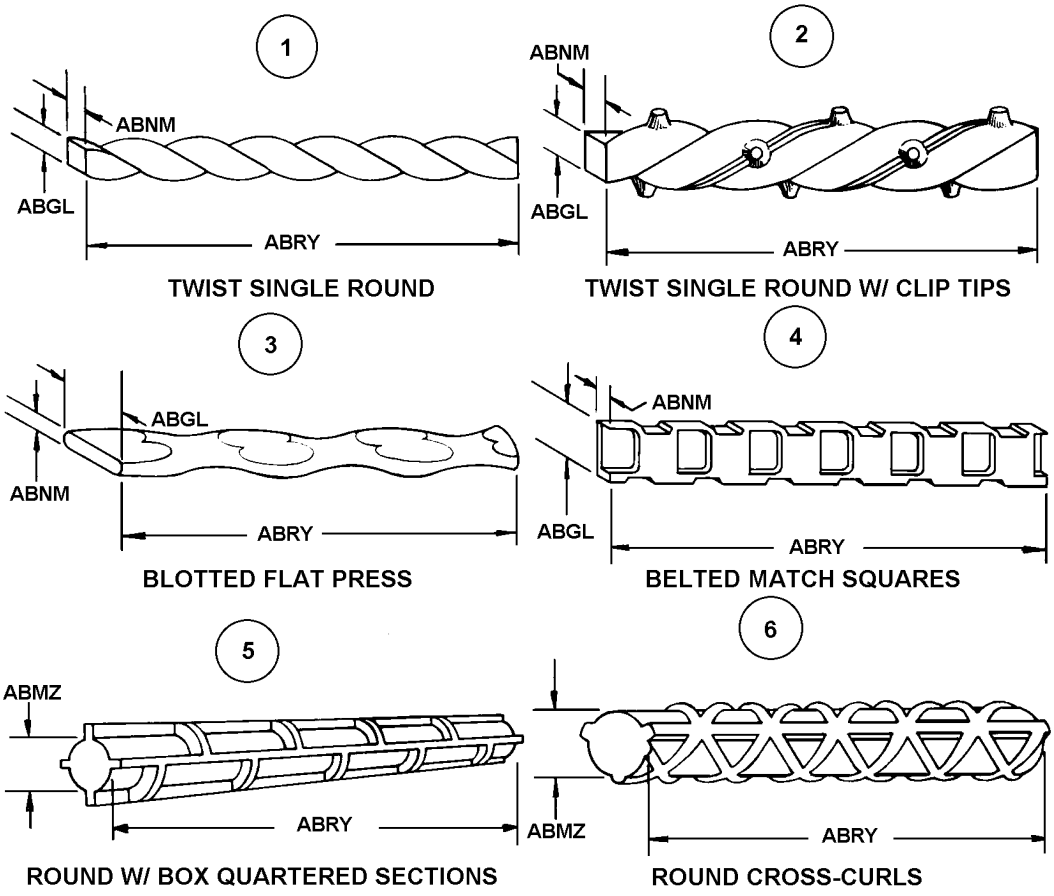
| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

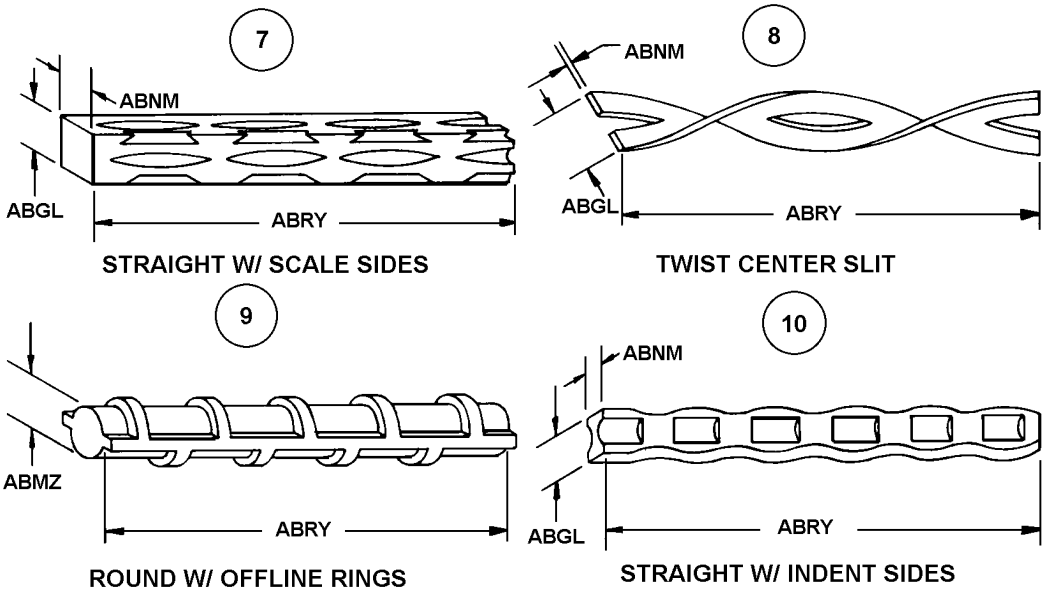
| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| MRC | Mode Code | Name of Dimension |
|---|---|---|
| ABGL | J | WIDTH |
| ABMZ | J | DIAMETER |
| ABNM | J | THICKNESS |
| ABRY | J | LENGTH |

REFERENCE DRAWING GROUP B

STEEL REINFORCING BAR STYLES

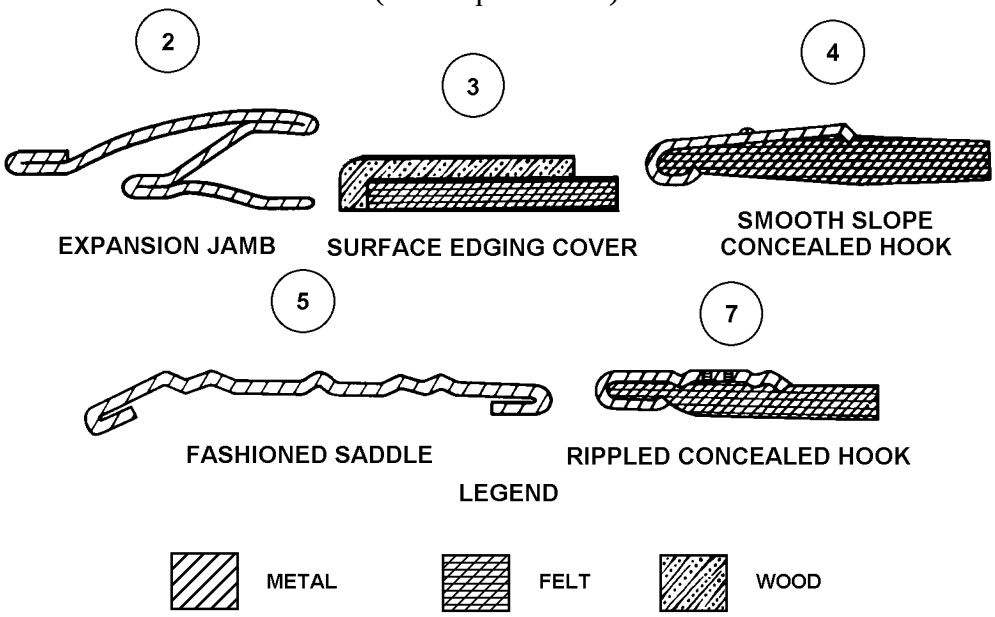



7
ABNM
ABGL
ABRY
STRAIGHT W/ SCALE SIDES
8
ABNM
ABGL
ABRY
TWIST CENTER SLIT
9
ABMZ
ABRY
ROUND W/ OFFLINE RINGS
10
ABNM
ABGL
ABRY
STRAIGHT W/ INDENT SIDES

REFERENCE DRAWING GROUP C

WEATHER STRIP STYLES

(No Requirements)



## Technical Data Tables

# STANDARD FRACTION TO DECIMAL CONVERSION CHART

| 4ths | 8ths | 16ths | 32nds | 64ths | To 3 | To 4 | 4ths | 8ths | 16ths | 32nds | 64ths | To 3 | To 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1/64 | .016 | .0156 | | | | | 33/64 | .516 | .5156 |
| | | | 1/32 | ----- | .031 | .0312 | | | | 17/32 | ------ | .531 | .5312 |
| | | | | 3/64 | .047 | .0469 | | | | | 35/64 | .547 | .5469 |
| | | 1/16 | ----- | | .062 | .0625 | | | 9/16 | ----- | ----- | .562 | .5625 |
| | | | | 5/64 | .078 | .0781 | | | | | 37/64 | .578 | .5781 |
| | | | 3/32 | ----- | .094 | .0938 | | | | 19/32 | ------ | .594 | .5938 |
| | | | | 7/64 | .109 | .1094 | | | | | 39/64 | .609 | .6094 |
| | 1/8 | ----- | ----- | ----- | .125 | .1250 | | 5/8 | ----- | ----- | ----- | .625 | .6250 |
| | | | | 9/64 | .141 | .1406 | | | | | 41/64 | .641 | .6406 |
| | | | 5/32 | ----- | .156 | .1562 | | | | 21/32 | ------ | .656 | .6562 |
| | | | | 11/64 | .172 | .1719 | | | | | 43/64 | .672 | .6719 |
| | | 3/16 | ----- | ----- | .188 | .1875 | | | 11/16 | ----- | ----- | .688 | .6875 |
| | | | | 13/64 | .203 | .2031 | | | | | 45/64 | .703 | .7031 |
| | | | 7/32 | ------ | .219 | .2188 | | | | 23/32 | ------ | .719 | .7188 |
| | | | | 15/64 | .234 | .2344 | | | | | 47/64 | .734 | .7344 |
| 1/4 | ----- | ----- | ----- | ----- | .250 | .2500 | 3/4 | ----- | ----- | ----- | ----- | .750 | .7500 |
| | | | | 17/64 | .266 | .2656 | | | | | 49/64 | .766 | .7656 |
| | | | 9/32 | ------ | .281 | .2812 | | | | 25/32 | ------ | .781 | .7812 |
| | | | | 19/64 | .297 | .2969 | | | | | 51/64 | .797 | .7969 |
| | | 5/16 | ----- | ----- | .312 | .3125 | | | 13/16 | ----- | ----- | .812 | .8125 |
| | | | | 21/64 | .328 | .3281 | | | | | 53/64 | .828 | .8281 |
| | | | 11/32 | ------ | .344 | .3438 | | | | 27/32 | ------ | .844 | .8438 |
| | | | | 23/64 | .359 | .3594 | | | | | 55/64 | .859 | .8594 |
| | 3/8 | ----- | ----- | ----- | .375 | .3750 | | 7/8 | ----- | ----- | ----- | .875 | .8750 |
| | | | | 25/64 | .391 | .3906 | | | | | 57/64 | .891 | .8906 |
| | | | 13/32 | ------ | .406 | .4062 | | | | 29/32 | ------ | .906 | .9062 |
| | | | | 27/64 | .422 | .4219 | | | | | 59/64 | .922 | .9219 |
| | | 7/16 | ----- | ----- | .438 | .4375 | | | 15/16 | ----- | ----- | .938 | .9375 |
| | | | | 29/64 | .453 | .4531 | | | | | 61/64 | .953 | .9531 |
| | | | 15/32 | ------ | .469 | .4688 | | | | 31/32 | ------ | .969 | .9688 |
| | | | | 31/64 | .484 | .4844 | | | | | 63/64 | .984 | .9844 |
| | | | | | .500 | .5000 | | | | | | 1.000 | 1.0000 |

## OUNCE TO DECIMAL OF A POUND CONVERSION CHART

| OUNCES | POUNDS |
|---|---|
| 1 | 0.062 |
| 2 | 0.125 |
| 3 | 0.188 |
| 4 | 0.250 |
| 5 | 0.312 |
| 6 | 0.375 |
| 7 | 0.438 |
| 8 | 0.500 |
| 9 | 0.562 |
| 10 | 0.625 |
| 11 | 0.688 |
| 12 | 0.750 |
| 13 | 0.812 |
| 14 | 0.875 |
| 15 | 0.938 |
| 16 | 1.000 |

## INCH TO DECIMAL OF A FOOT CONVERSION CHART

NOTE: For inches, select inches 0 through 11 from left to right top of chart, read decimal equivalent in column directly below.

| Fraction of inch | INCHES | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 0 | 0.000 | 0.083 | 0.167 | 0.250 | 0.333 | 0.417 | 0.500 | 0.583 | 0.667 | 0.750 | 0.833 | 0.917 |
| 1/16 | .005 | .089 | .172 | .255 | .339 | .422 | .505 | .589 | .672 | .755 | .839 | .922 |
| 1/8 | .010 | .094 | .177 | .260 | .344 | .427 | .510 | .594 | .677 | .760 | .844 | .927 |
| 3/16 | .016 | .099 | .182 | .266 | .349 | .432 | .516 | .599 | .682 | .766 | .849 | .932 |
| 1/4 | .021 | .104 | .188 | .271 | .354 | .438 | .521 | .604 | .688 | .771 | .854 | .938 |
| 5/16 | .026 | .109 | .193 | .276 | .359 | .443 | .526 | .609 | .693 | .776 | .859 | .943 |
| 3/8 | .031 | .115 | .198 | .281 | .365 | .448 | .531 | .615 | .698 | .781 | .865 | .948 |
| 7/16 | .037 | .120 | .203 | .287 | .370 | .453 | .537 | .620 | .703 | .787 | .870 | .953 |
| 1/2 | .042 | .125 | .208 | .292 | .375 | .458 | .542 | .625 | .708 | .792 | .875 | .958 |
| 9/16 | .047 | .130 | .214 | .297 | .380 | .464 | .547 | .630 | .714 | .797 | .880 | .964 |
| 5/8 | .052 | .135 | .219 | .302 | .385 | .469 | .552 | .635 | .719 | .802 | .885 | .969 |
| 11/16 | .057 | .141 | .224 | .307 | .391 | .474 | .557 | .641 | .724 | .807 | .891 | .974 |
| 3/4 | .063 | .146 | .229 | .313 | .396 | .479 | .563 | .646 | .729 | .813 | .896 | .979 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13/16 | .068 | .151 | .234 | .318 | .401 | .484 | .568 | .651 | .734 | .818 | .901 | .984 |
| 7/8 | .073 | .156 | .240 | .323 | .406 | .490 | .573 | .656 | .740 | .823 | .906 | .990 |
| 15/16 | .078 | .162 | .245 | .328 | .412 | .495 | .578 | .662 | .745 | .828 | .912 | .995 |

## FIIG Change List

FIIG Change List, Effective May 7, 2010

This change replaced with ISAC or and/or coding.